F

SECTION

GFCI Personnel Safety Devices

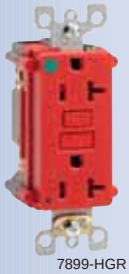
Courtesy of Steven Engineering, Inc.-230 Ryan Way, South San Francisco, CA 94080-6370-Main Office: (650) 588-9200-Outside Local Area: (800) 258-9200-www.stevenengineering.com

SmartLock*PRO*™ GFCI Devices

LEVITON

SmartLock*PRO*™ GFCI devices comply with 2006 UL requirements

HOSPITAL GRADE



7899-HGR

- Power/Diagnostic Indicator
- 15 & 20Amp Configurations
- Back and Side Wired
- Color Match Test/Reset Buttons (Monochromatic)
- Green LED Indicates Power and Confirms Proper Wiring Status
- Resistant to Surge, Noise, and Corrosion Per 2006 UL Requirements

PAGE F3, Section H

COMMERCIAL GRADE

7599-T

- Power/Diagnostic Indicator
- 15 & 20 Amp Configurations
- Back and Side Wired
- Color Match Test/Reset Buttons (Monochromatic)
- Resistant to Surge, Noise, and Corrosion Per 2006 UL Requirements

PAGE F3

COMMERCIAL GRADE

w/Wire Leads

7599-LW

- Power/Diagnostic Indicator
- 15 & 20 Amp Configurations
- Back and Side Wired
- Color Match Test/Reset Buttons (Monochromatic)
- Resistant to Surge, Noise, and Corrosion Per 2006 UL Requirements
- 6" leads ideal for OEM applications

PAGE F3

BLANK FACE

7590-W

- 20 Amp with Switch Rated Test/Reset Buttons
- Back and Side Wired
- Color Match Test/Reset Buttons (Monochromatic)
- Resistant to Surge, Noise, and Corrosion Per 2006 UL Requirements

PAGE F3

COMBO

7299-A

- 15 Amp Single GFCI Receptacle with Single-Pole Switch
- Switch Rated 15A at 120V AC
- Back and Side Wired
- Color Match Test/Reset Buttons (Monochromatic)
- Resistant to Surge, Noise, and Corrosion Per 2006 UL Requirements

PAGE F3

HIGH CURRENT

8895-80E

Recognized Component

Blank Face

- Contact Rating: 20A 125V
- Control Relay: 80 Amps 240V AC Max.
- Side Wired
- Color Match Test/Reset Buttons (Monochromatic)
- Resistant to Surge, Noise, and Corrosion Per 2006 UL Requirements

PAGE F4

PANEL MOUNTS

36596

Recognized Component

Panel Mount GFCI with 16" Leads

- 20A 125V
- Orange LED Indicator Light
- Weather-Resistant Housing & Test/Reset Buttons
- Resistant to Surge, Noise, and Corrosion Per 2006 UL Requirements

PAGE F4

WORK LIGHT

66591-WL

Fluorescent Work Light with GFCI Protected Receptacle

- 13 Watt Lamp and Receptacle
- Black Body with 20' Yellow Cord 16/3 SJTW
- NEMA 5-15R Receptacle; NEMA 5-15P Plug
- Automatic Reset In-Line GFCI with Power Status Indicator

PAGE F4

ANGLE PLUGS

16593

Recognized Component

Right Angle GFCI Plugs

- 15A 125V; 20A 125V
- Automatic and Manual Reset Types
- Power Status Indicator
- Available in Dark Gray and Yellow
- Consult factory for availability

PAGE F4

CORD SETS

66591-25C

GFCI Cord Sets

- 15A & 20A 125V; 15A & 20A 240V
- Automatic and Manual Reset Types
- Orange Power Status Indicator
- Yellow Cord 14/3 SJT
- Resistant to Surge, Noise, & Corrosion Per 2006 UL Requirements

PAGES F6 & F7

POWER CENTER

PB101-SGF

"THE BOX"™

- 6 GFCI Protected 20A 125V Straight Blade or Locking Receptacles
- GFCI Protected 30A 250V Locking Receptacle
- 50A 125/250V Non-NEMA Power Connections
- Meets OSHA Regulation 20, Subpart K Standards
- UL Listed for Outdoor Use

PAGE F8

NEW UL943 GFCI SAFETY STANDARDS

Effective July 28, 2006

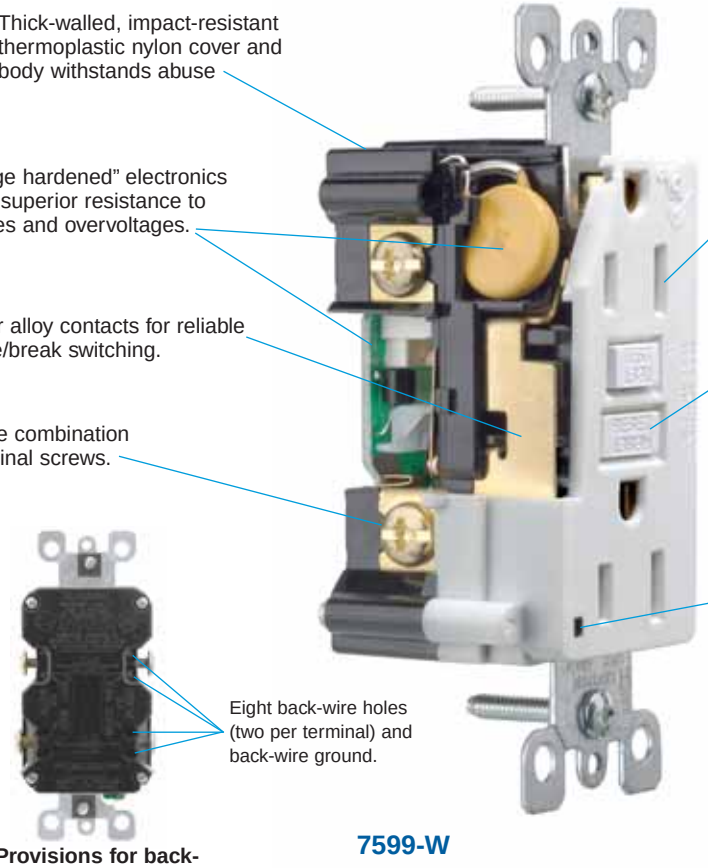
See Page F10 for Full Details

To learn more about Leviton devices or for answers to technical questions call our Techline at 1-800-824-3005 or visit us at: www.leviton.com

Courtesy of Steven Engineering, Inc.-230 Ryan Way, South San Francisco, CA 94080-6370-Main Office: (650) 588-9200-Outside Local Area: (800) 258-9200-www.stevenengineering.com

SmartLock*PRO*™ GFCI Features

UL Standard 943 Class A (GFCI) & 498 (Receptacles)
CSA Certified (File #057)
Meets July 28, 2006 UL Requirements


Thick-walled, impact-resistant thermoplastic nylon cover and body withstands abuse
"Surge hardened" electronics offer superior resistance to surges and overvoltages.
Silver alloy contacts for reliable make/break switching.
Triple combination terminal screws.
Heavy duty double wipe for 15 Amp contacts and triple wipe for 20 Amp contacts
Patented lockout feature prevents "RESET" if GFCI is not functioning properly or miswired due to reversal of line and load leads.
LED power indicator light helps diagnose improper wiring and, when illuminated, offers visual confirmation that power is available.
Eight back-wire holes (two per terminal) and back-wire ground.

7599-W

Provisions for back- or side-wiring.

Leviton SmartLock*PRO*™ icon ensures improved GFCI product design.

Lockout action blocks the "RESET" button if GFCI protection has been compromised.

Dual function LED offers indication of line/load reversal & power availability.

COMPONENT	DESCRIPTION
Face	Nylon
Back	Polycarbonate
Line Contacts	Brass
Terminal Screws	Brass #8-32
Grounding Screw	Brass #8-32
Yoke	Zinc Steel
Clamp Nuts	Steel
Internal Contacts	Silver Alloy

STANDARDS & CERTIFICATIONS					
NEMA WD1&WD6	ANSI C-73	UL Listed	UL 943 Class A & 498	CSA	NOM
✓	✓	#E48380	✓	#LR-57811	#057

Leviton SmartLock*PRO*™ and The New 2006 UL943 GFCI Safety Standards

Line-Load Reversal Indication

New UL 2006 Standard:

- If a miswiring (line-load reversal) occurs during installation, the GFCI must not be capable of supplying power to either the GFCI's face or to feed-through terminals.

"End-of-Life" Indication

New UL 2006 Standard:

- GFCIs are required to provide a visual and/or audible indication OR be able to render themselves incapable of delivering power when they no longer offer ground fault protection based on a failure to pass their internal test.

For additional details on these new requirements, see page F10.

15A 125V & 20A 125V

LEVITON

Hospital & Commercial Grade, GFCI's

2 YEAR LIMITED WARRANTY

ELECTRICAL		
DIELECTRIC VOLTAGE	CURRENT INTERR.	TEMP. RISE
Withstands 1500V per UL 498	2kA	80ºC max at full rated current after 50 cycles overload at 150% rated current for both AC and DC appl. per UL 498
TRIP LEVEL		
5±1 mA		

MECHANICAL		
TERMINAL I.D.	TERMINAL ACCOMMODATION	PRODUCT I.D.
Brass, hot Grounding Silver, neutral	#14 - #12 AWG solid or stranded copper wire	Ratings permanently marked on device
ENVIRONMENTAL		
FLAMMABILITY	OPERATING TEMP.	
Rated V-2 per UL 94	-35ºC to 65ºC	

STANDARDS & CERTIFICATIONS					
NEMA WD-6	ANSI C-73	UL 943 Class A & 498	UL Fed Spec Listed WC-596	CSA C22.2	NOM
✓	✓	✓	—	#LR-57811	#057
MISC. MOTOR CONTROL RATING					
15A-1875W 20A-2500W					

Back & Side Wired

7899-HGR

7599-I

7599-LI

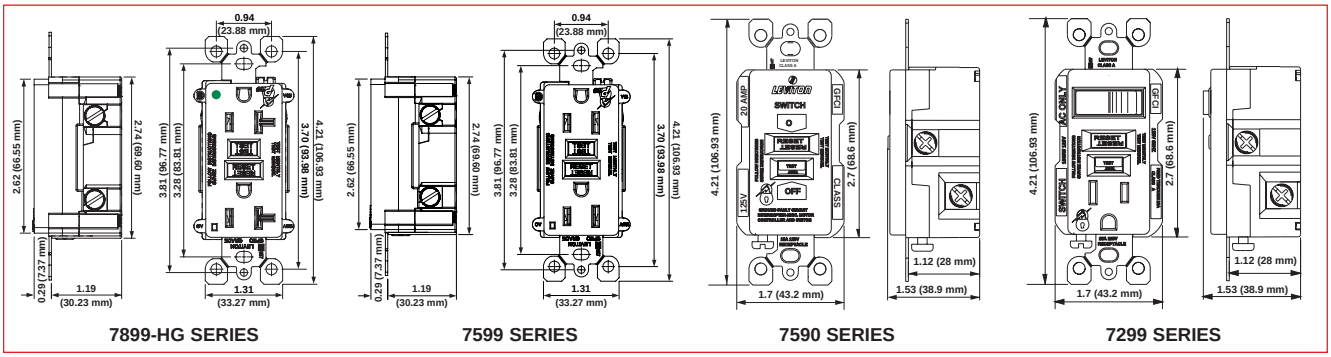
7590-W

FACE COLOR	GFCI HOSPITAL GRADE SMARTLOCK*PRO*™ DUPLEX w/ LED Meets 2006 UL Requirements	GFCI COMMERCIAL GRADE SMARTLOCK*PRO*™ DUPLEX w/ LED Meets 2006 UL Requirements	GFCI COMMERCIAL GRADE SMARTLOCK*PRO*™ DUPLEX w/ LED w/ 6" Leads. Meets 2006 UL Requirements	GFCI COMMERCIAL GRADE BLANK FACE S-P SWITCH 1.5HP@120V AC Meets 2006 UL Requirements
15A 125V, NEMA 5-15R; 20A 125V Feed-Through				
Brown	7599-HG	7599	—	—
Ivory	7599-HGI	7599-I	7599-LI	7590-I
White	7599-HGW	7599-W	7599-LW	7590-W
Gray	7599-HGG	7599-G	—	—
Red	7599-HGR	7599-R	—	—
Black	—	7599-E	—	7590-E
Almond	7599-HGA	7599-A	—	7590-A
Lt. Almond	7599-HGT	7599-T	—	7590-T
20A 125V, NEMA 5-20R at Receptacle & Feed-Through				
Brown	7899-HG	7899	—	—
Ivory	7899-HGI	7899-I	7899-LI	—
White	7899-HGW	7899-W	7899-LW	—
Gray	7899-HGG	7899-G	—	—
Red	7899-HGR	—	—	—
Black	7899-HGE	7899-E	—	—
Almond	7899-HGA	7899-A	—	—
Lt. Almond	7899-HGT	7899-T	—	—

7299-A

FACE COLOR	GFCI COMBO DEVICE RECEPTACLE & SINGLE-POLE SWITCH Meets 2006 UL Requirements
15A 125V, NEMA 5-15R; 20A 125V Feed-Through	
Ivory	7299-I
White	7299-W
Almond	7299-A

COLOR	SHALLOW WALLBOX EXTENDER FOR GFCI's
Brown	6197
Ivory	6197-I
White	6179-W



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Courtesy of Steven Engineering, Inc.-230 Ryan Way, South San Francisco, CA 94080-6370-Main Office: (650) 588-9200-Outside Local Area: (800) 258-9200-www.stevenengineering.com

15A 125V & 20A 125V

Commercial Grade, GFCI's

2 YEAR LIMITED WARRANTY

ELECTRICAL		
DIELECTRIC VOLTAGE	CURRENT INTERR.	TEMP. RISE
Withstands 1500V per UL 498	2kA	30ºC max at full rated current after 50 cycles overload at 150% rated current for both AC and DC per UL 498
TRIP LEVEL		
5±1 mA		

MECHANICAL		
TERMINAL I.D.	TERMINAL ACCOMMODATION	PRODUCT I.D.
Brass, hot Grounding Silver, neutral	#18- #12 AWG	Ratings permanently marked on device
ENVIRONMENTAL		
FLAMMABILITY	OPERATING TEMP.	
Rated V-2 per UL 94	-35ºC to 66ºC	

STANDARDS & CERTIFICATIONS					
NEMA WD-6	ANSI C-73	UL 943 Class A & 498	UL Fed Spec Listed WC-596	CSA C22.2	NOM
✓	✓	✓	—	#LR-57811	#057
MISC. MOTOR CONTROL RATING					
15A-1875W 20A-2500W					

16593

16893

Wiring Termination Area

16594

Refer to footnote under Right Angle GFCI Plugs Table

86593

Right Angle GFCI Plugs

Recognized Component*

PLUG COLOR	ANGLE PLUG		ANGLE PLUG	
	AUTOMATIC RESET	MANUAL RESET	AUTOMATIC RESET	MANUAL RESET
	15A 125V, NEMA 5-15P		20A 125V, NEMA 5-20P	
Black	16593	–	16893	–
Yellow	–	16594	–	16894

*Catalog numbers 6593, 6893, 6594 and 6894 series are available – consult factory. For additional information, see catalog L-100, page H5.

Right Angle Plugs Accessory

COLOR	WATERPROOF COVER WITH GROUND PIN UP ORIENTATION
Clear	86593

Recognized Component

Rated 20A-125 VAC

PANEL MOUNT FOR TEMPORARY POWER DISTRIBUTION BOXES
36597
PANEL MOUNT GFCI FOR PHASE-CONTROL THEATER DIMMING SYSTEMS
36895

Front View

Side View

Recognized Component

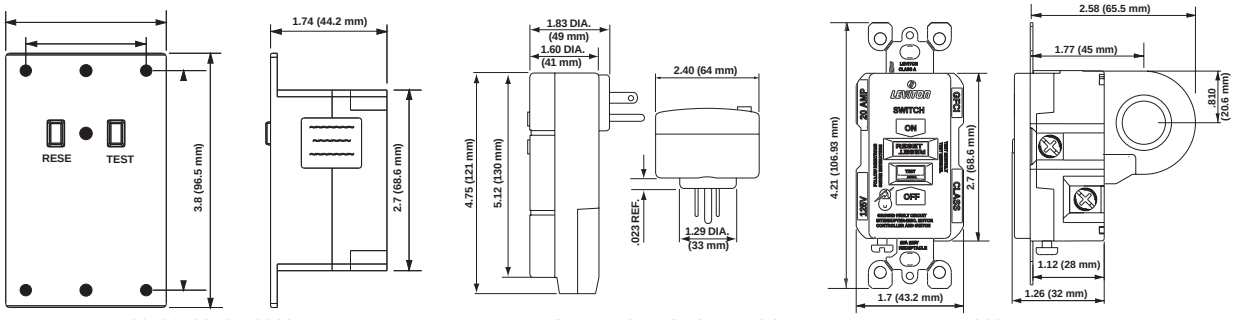
High Current GFCI

Contact Rating: 20A 125V AC
Load Capability with 125V Control Relay
80@240V AC Max.

TOGGLE COLOR	BLANK FACE RESET BUTTONS
Ivory	8895-80I
White	8895-80W
Black	8895-80E

GFCI-Protected Fluorescent Work Light w/Receptacle
15A 125V, 2-P 3-W Grounding

LENGTH	GFCI CORD SET, YELLOW CORD, 16/3 SJTW BLACK BODY, ON/OFF POWER SWITCH, 13 WATT LAMP	NEMA PLUG	NEMA CONNECTOR
20'	66591-WL	5-15P	5-15R



36596, 36597, 36895 — RIGHT ANGLE GFCI PLUGS — 8895

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GFCI Cord Set Features

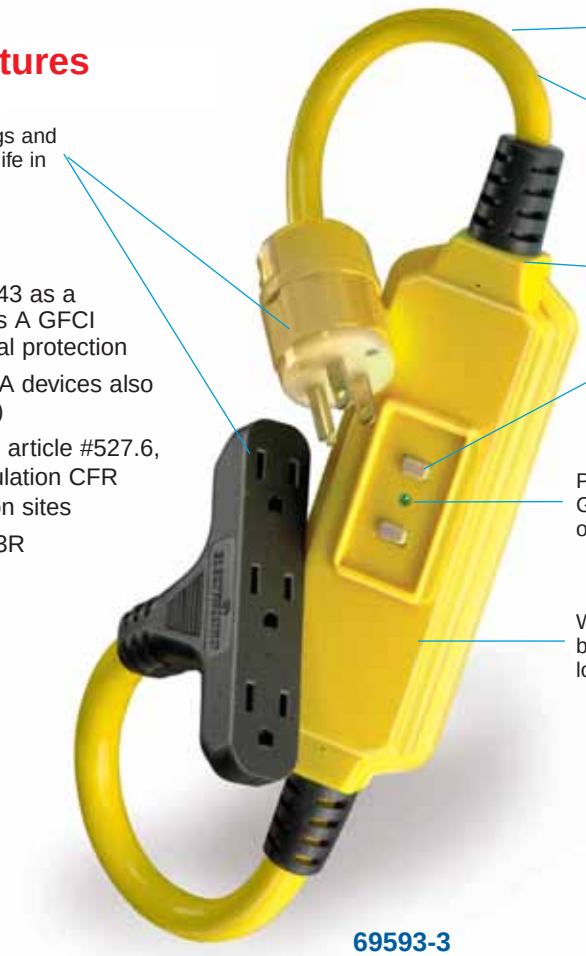
LEVITON

GFCI Cord Set Features

Equipped with Industrial Grade plugs and connectors to provide long service life in heavy-duty applications

Agency Standards

- Complies with UL Standard 943 as a Recognized Component Class A GFCI power supply with open neutral protection
- UL Listed (File #E-48380), 15A devices also CSA Certified (File #LR-5781)
- Fully complies with NEC code article #527.6, 6(A) and 6(B) and OSHA regulation CFR 1926-404b(i)(ii) for construction sites
- In-line GFCI units are NEMA 3R



Water-resistant SJTW-A cable (14/3 for 15A, 12/3 for 20A)

Available in 2-ft., 6-ft. and 25-ft. lengths, except where indicated

RTV injected at cord entrance and exit of the housing

Choice of Automatic or Manual reset models

Power indicator light goes OFF if GFCI trips, power is interrupted or line cord is unplugged

Water-resistant enclosure sealed by ultrasonic welding to ensure long service life

69593-3

Custom lengths and configurations available as special order

Cat. No. 66591-WL
Provides lighting and GFCI protection in out-of-the-way locations

Manual Reset GFCI Cord Sets with Wetguard® plugs and connectors provide outstanding corrosion-resistance where water is present

GFCI Protection: An OSHA Requirement on the Job Site

OSHA definitely means business, with fines for willful violations reaching as high as $70,000! The second most common OSHA electrical violation at construction sites involves non-compliance with either the Assured Equipment Grounding Program or Ground Fault Protection. Whichever program you choose, portable GFCI Cord Sets or an approved grounding conductor program, make sure it is used 100% of the time. Ignoring OSHA requirements can cost money as well as business. Compliance with OSHA and NEC standards is absolutely mandatory, and use of Leviton GFCI Cord Sets is a reliable, economical way to accomplish that.

GFCI Cord Sets Must Have Open-Neutral Protection

Open-Neutral Protection immediately trips the GFCI if the neutral conductor on the line side is opened. This eliminates the possibility of the GFCI Cord Set having a live hot leg, even though it may appear as though power is off due to the open neutral. A normal GFCI receptacle would not be able to trip under these conditions.

Automatic vs. Manual Reset Cord Sets

Automatic Reset GFCI Cord Sets (black body) automatically reset ON when power is restored. Manual Reset units (yellow body) will not automatically reset after power interruption; the reset button must be pushed in.

Automatic Reset GFCI Cord Sets and Extension Cords – Black Body

- Automatically resets to ON when plugged in or after power interruption
- Available in 2-ft, 6-ft and 25-ft lengths except where indicated

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15A 125V&250V;20A 125V&250V

Automatic Reset GFCI Cord Sets & Power Supply Cords

2 YEAR LIMITED WARRANTY

ELECTRICAL		
DIELECTRIC VOLTAGE	CURRENT INTERR.	TEMP. RISE
Withstands 1500V per UL 498	2kA	30ºC max at full rated current after 50 cycles overload at 150% rated current for both AC and DC per UL 498
TRIP LEVEL		
5±1 mA		

MECHANICAL		
TERMINAL I.D.	TERMINAL ACCOMMODATION	PRODUCT I.D.
Brass, hot Grounding Silver, neutral	Not Applicable	Ratings permanently marked on device
ENVIRONMENTAL		
FLAMMABILITY	OPERATING TEMP.	
Rated V-2 per UL 94	-35ºC to 66ºC	

STANDARDS & CERTIFICATIONS					
NEMA WD-6	ANSI C-73	UL 943 Class A & 498	UL Fed Spec Listed WC-596	CSA C22.2	NOM
✓	✓	✓	—	#LR-57811	#057
MISC. MOTOR CONTROL RATING					
15A-1875W 20A-2500W					

Automatic reset GFCI cord sets (black body) automatically reset ON when power is restored.

66891-3

66593-3

66591-25C

FACTORY-ASSEMBLED CORD SETS — Consult Techline for changes in length and/or configurations.			
LENGTH	GFCI CORD SET AUTOMATIC RESET (15 AMP) 14/3 SJTW (20 AMP) 12/3 SJTW YELLOW CORD, BLACK BODY BLACK PLUG & CONNECTOR	NEMA PLUG	NEMA CONNECTOR
15A 125V, Cord Sets			
2' 6' 25'	66591-2C 66591-6C 66591-25C	5-15P	5-15R
15A 125V, Cord Set Triple Outlet			
3'	66593-3	5-15P	5-15R
15A 125V, Locking Cord Set			
3'	66597-3	L5-15P	L5-15R
15A 125V, Power Supply Cord			
37'	26591-37C	5-15P	–
15A 240V, Power Supply Cord			
35'	26592-E	6-15P	–
20A 125V, Cord Sets			
3'	66891-3	5-20P	5-20R
20A 125V, Locking Cord Set			
3'	66897-3	L5-20P	L5-20R
20A 125V, Power Supply Cord			
37'	36591-37C	5-20P	–
20A 240V, Power Supply Cord			
35'	36592-E	6-20P	–

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15A 125V; 20A 125V

Manual Reset GFCI Cord Sets

LEVITON

1 YEAR LIMITED WARRANTY

ELECTRICAL		
DIELECTRIC VOLTAGE	CURRENT INTERR.	TEMP. RISE
Withstands 1500V per UL 498	2kA	30ºC max at full rated current after 50 cycles overload at 150% rated current for both AC and DC per UL 498
TRIP LEVEL		
5±1 mA		

MECHANICAL		
TERMINAL I.D.	TERMINAL ACCOMMODATION	PRODUCT I.D.
Brass, hot Grounding Silver, neutral	Not Applicable	Ratings permanently marked on device
ENVIRONMENTAL		
FLAMMABILITY	OPERATING TEMP.	
Rated V-2 per UL 94	-35ºC to 66ºC	

STANDARDS & CERTIFICATIONS					
NEMA WD-6	ANSI C-73	UL 943 Class A & 498	UL Fed Spec Listed WC-596	CSA C22.2	NOM
✓	✓	✓	—	#LR-57811	#057
MISC. MOTOR CONTROL RATING					
15A-1875W 20A-2500W					

Manual reset units (yellow body) will not automatically reset after power interruption; the reset button must be pushed in.

69591-W3

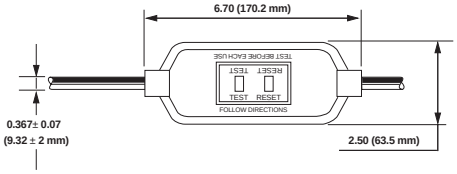
69891-3

FACTORY-ASSEMBLED CORD SETS - Consult Techline for changes in length and/or configurations.

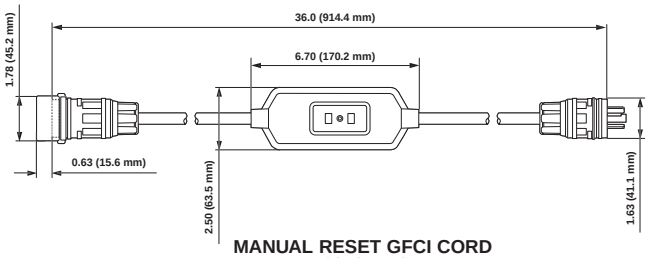
LENGTH	GFCI CORD SET MANUAL RESET (15 AMP) 14/3 SJTW (20 AMP) 12/3 SJTW YELLOW CORD, YELLOW BODY YELLOW PLUG & CONNECTOR	NEMA PLUG	NEMA CONNECTOR
15A 125V, Cord Sets			
3' 25'	69591-3 69591-25	5-15P	5-15R
15A 125V, Cord Set Triple Outlet			
3'	69593-3	5-15P	5-15R
15A 125V, w/ Wetguard Plug & Connector Cord Set			
3' 25'	69591-W3 69591-W25	5-15P	5-15R
20A 125V, w/ Wetguard Plug & Connector Cord Set			
3'	69891-W3	5-20P	5-20R

69593-3

69591-W3



15A AUTO GFCI CORD
66591-2C — on page F6



MANUAL RESET GFCI CORD
69591-W3

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1 YEAR LIMITED WARRANTY

Power Center "THE BOX" & Power Cords

ELECTRICAL		
DIELECTRIC VOLTAGE	CURRENT INTERR.	TEMP. RISE
Withstands 1500V per UL 498	2kA	30ºC max at full rated current after 50 cycles overload at 150% rated current for both AC and DC per UL 498
TRIP LEVEL		
5±1 mA		

MECHANICAL		
TERMINAL I.D.	TERMINAL ACCOMMODATION	PRODUCT I.D.
Brass, hot Grounding White,neutral	Not Applicable	Ratings & NEMA I.D. permanently marked on device
ENVIRONMENTAL		
FLAMMABILITY	OPERATING TEMP.	
Rated V-2 per UL 94	-35ºC to 66ºC	

STANDARDS & CERTIFICATIONS					
NEMA WD-6	ANSI C-73	UL 943 Class A & 498	UL Fed Spec Listed WC-596	CSA C22.2	NOM
✔	✔	✔	—	#LR-57811	#057
OSHA					
"The Box" Meets Regulation 20, Part 1926, Subpart K Standards					

Power Distribution Box

Available with or without GFCI Protection on 30A Receptacles Consult Factory for Other Configurations

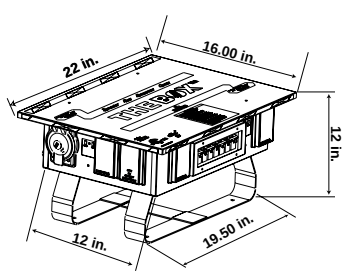
Catalogue No.	Power Inlet Non-NEMA 50A, 125/250V	Power Outlet Non-NEMA 50A, 125/250V	6 NEMA Locking Receptacles 20A, 125V, L5-20R	6 NEMA Straight Blade Receptacles 20A, 125V, 5-20R	1 NEMA Locking Receptacle 30A, 250V, L6-30R
PB101-SGF	No GFCI ✔ Protection	No GFCI ✔ Protection	GFCI ✔ Protection		GFCI ✔ Protection
PB101-000	No GFCI ✔ Protection	No GFCI ✔ Protection	GFCI ✔ Protection		No GFCI ✔ Protection
PB103-SGF	No GFCI ✔ Protection	No GFCI ✔ Protection		GFCI ✔ Protection	GFCI ✔ Protection
PB103-000	No GFCI ✔ Protection	No GFCI ✔ Protection		GFCI ✔ Protection	No GFCI ✔ Protection

Power Cords

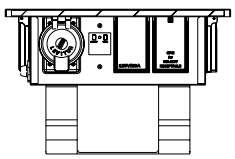
Features Flexible, Abrasion-Resistant Construction Offering Reliable Performance to -31ºF

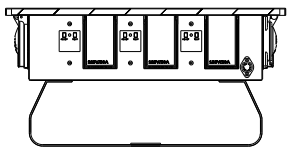
FACTORY-ASSEMBLED CORD SETS			
LENGTH	BLACK FLEXIBLE CORD w/ (3) #6 AWG and (1) #8 AWG CONDUCTORS	YELLOW & WHITE WEATHER-RESISTANT PLUG NON-NEMA	YELLOW & WHITE WEATHER-RESISTANT CONNECTOR NON-NEMA
50A 125/250V, NON-NEMA			
50' 100'	KRS-A9519 KUS-A9519	NON-NEMA†	NON-NEMA†

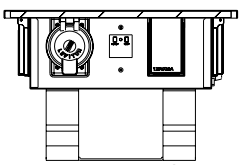
†Consult Factory for Other Configurations.

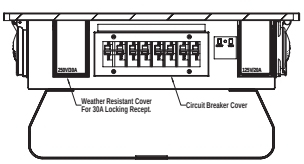


TOP VIEW


END VIEW 1


SIDE VIEW 1


END VIEW 2



SIDE VIEW 2

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GFCI Accessories

LEVITON

1 YEAR LIMITED WARRANTY

5977-CL

5977-GY

4992

4998-GY

5997-GY

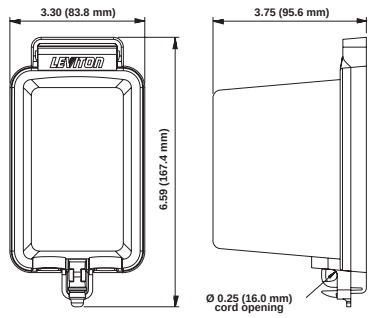
5997-CL

Single-Gang Flush Cover Wallplates

TYPE	MOUNTING POSITION	SINGLE-GANG FLUSH COVER	FITS TYPE OF BOX
Gray Die-Cast Zinc	Vertical	6196-V	Standard
Gray Die-Cast Zinc	Horizontal	6196	Standard
Gray Die-Cast Zinc	Vertical	6196-VFS	FS (4 Screws)
Gray Die-Cast Zinc	Horizontal	6196-FS	FS (4 Screws)
Gray Die-Cast Zinc	Horizontal	4990	Standard
Gray Die-Cast Zinc	Vertical	4992	Standard
Gray Plastic	Horizontal	4996-GY	Standard
White Plastic	Horizontal	4996-W	Standard
Gray Plastic	Vertical	4998-GY	Standard
White Plastic	Vertical	4998-W	Standard

Raintight While-In-Use Covers

TYPE	MOUNTING POSITION	SINGLE-GANG FLUSH COVER	FITS TYPE OF BOX
Gray Plastic	Vertical	5977-GY	Surface-Mounted Outdoor-Type Boxes or Flush-Mounted Wall Boxes
Gray Plastic	Vertical Mount w/ Extra Deep Cover	5977-DGY	
Clear Plastic	Vertical	5977-CL	
Clear Plastic	Vertical Mount w/ Extra Deep Cover	5977-DCL	
Gray Plastic	Horizontal	5997-GY	
Gray Plastic	Horizontal Mount w/ Extra Deep Cover	5997-DGY	
Clear Plastic	Horizontal	5997-CL	
Clear Plastic	Horizontal Mount w/ Extra Deep Cover	5997-DCL	



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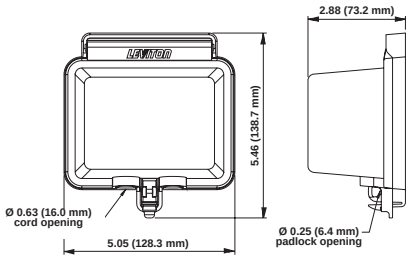

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To learn more about Leviton devices or for answers to technical questions call our Techline at 1-800-824-3005 or visit us at: www.leviton.com
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SmartLock*PRO* and The New 2006 UL943 GFCI Safety Standards

Underwriter's Laboratories (UL) has issued new requirements on GFCI functionality effective July 28, 2006:

Line-Load Reversal Indication

If an old style GFCI is miswired with a line-load reversal, it is a potentially hazardous situation because the GFCI receptacle face will be live and unprotected even after the GFCI is tripped.

2003 UL Standard:

- There must be a diagnostic indicator if a miswiring (line-load reversal) occurs during installation. However, the GFCI receptacle's face may still be live and unprotected.

New UL 2006 Standard:

- If a miswiring (line-load reversal) occurs during installation, the GFCI must not be capable of supplying power to either the GFCI's face or to feed-through terminals.

The SmartLockPRO Solution:

- SmartLock*PRO* provides a true dead-face design with an LED indicator for line-load reversals.

"End-of-Life" Indication

GFCIs reach the end of their service life when they no longer provide ground fault protection. As with any electronic device, a GFCI can be damaged by surges, other electrical disturbances, or environmental and physical abuse.

2003 UL Standard:

- There are no requirements related to "end of life"

New UL 2006 Standard:

- GFCIs are required to provide a visual and/or audible indication OR be able to render themselves incapable of delivering power when they no longer offer ground fault protection based on a failure to pass their internal test.

The SmartLockPRO Solution:

- Though a standard GFCI CAN be reset even if it is not providing protection…the SmartLock*PRO*'s reset button will not engage if protection has been compromised. With SmartLock*PRO*'s unique patented professional grade end-of-life lock-out action you can avoid having a live, unprotected receptacle in the event that the GFCI can no longer provide protection. The robust design of SmartLock*PRO* GFCIs also greatly reduces the frequency of GFCI failures, contributing to a longer GFCI service life.

The Choice for 2006 UL End-of-Life Indication: Protection or No Protection?

Other GFCI manufacturers have taken the alternate route in the 2006 UL Standard by providing an indicator light for end-of-life indication. They allow the compromised GFCI to be reset, thereby permitting it to continue delivering unprotected power to the GFCI face and downstream receptacles. We disagree with this approach.

GFCIs are first and foremost proven safety devices. The National Electrical Code requires GFCIs to be installed in bathrooms, kitchens, workshops and other locations where water is present and there's a risk of ground fault shock hazard. Leviton believes that a GFCI should be replaced immediately if it no longer provides ground fault protection. There is absolutely no people protection when a compromised GFCI functions as a "live" standard receptacle.

That's why Leviton's SmartLock*PRO* GFCI performs a self-test every time it is reset. If it is not capable of responding to a ground fault, the reset is blocked. Leviton's SmartLock *PRO* approach locks out a compromised GFCI, thereby providing the safest and smartest solution to people protection.

General Testing Procedures

Non-Lockout Style GFCI	**SmartLock*PRO* GFCI**
Plug a lamp or radio into the GFCI receptacle.	Plug a lamp or radio into the GFCI receptacle.
Turn ON lamp or radio.	Turn ON lamp or radio.
Push the TEST button on the GFCI. If the GFCI is working properly, it will trip and power to the lamp or radio will be cut off. Push reset button to restore power.	Push the TEST button on the SmartLock*PRO* GFCI. The GFCI will trip and power to the lamp or radio will be cut off.
Your GFCI is working properly and should be retested every month.	
If power did not go off: If power did not go off when you pushed the TEST button, then the GFCI is not providing protection and should be replaced immediately. Standard GFCIs can still be reset and provide power even though they are not providing protection. **That's why we developed SmartLock*PRO*…**	Your GFCI is working properly if you can push the RESET button on the SmartLock*PRO* GFCI to restore power to the lamp or radio. **IMPORTANT:** The RESET button **will** not restore power if the GFCI is damaged and cannot respond to a ground fault.

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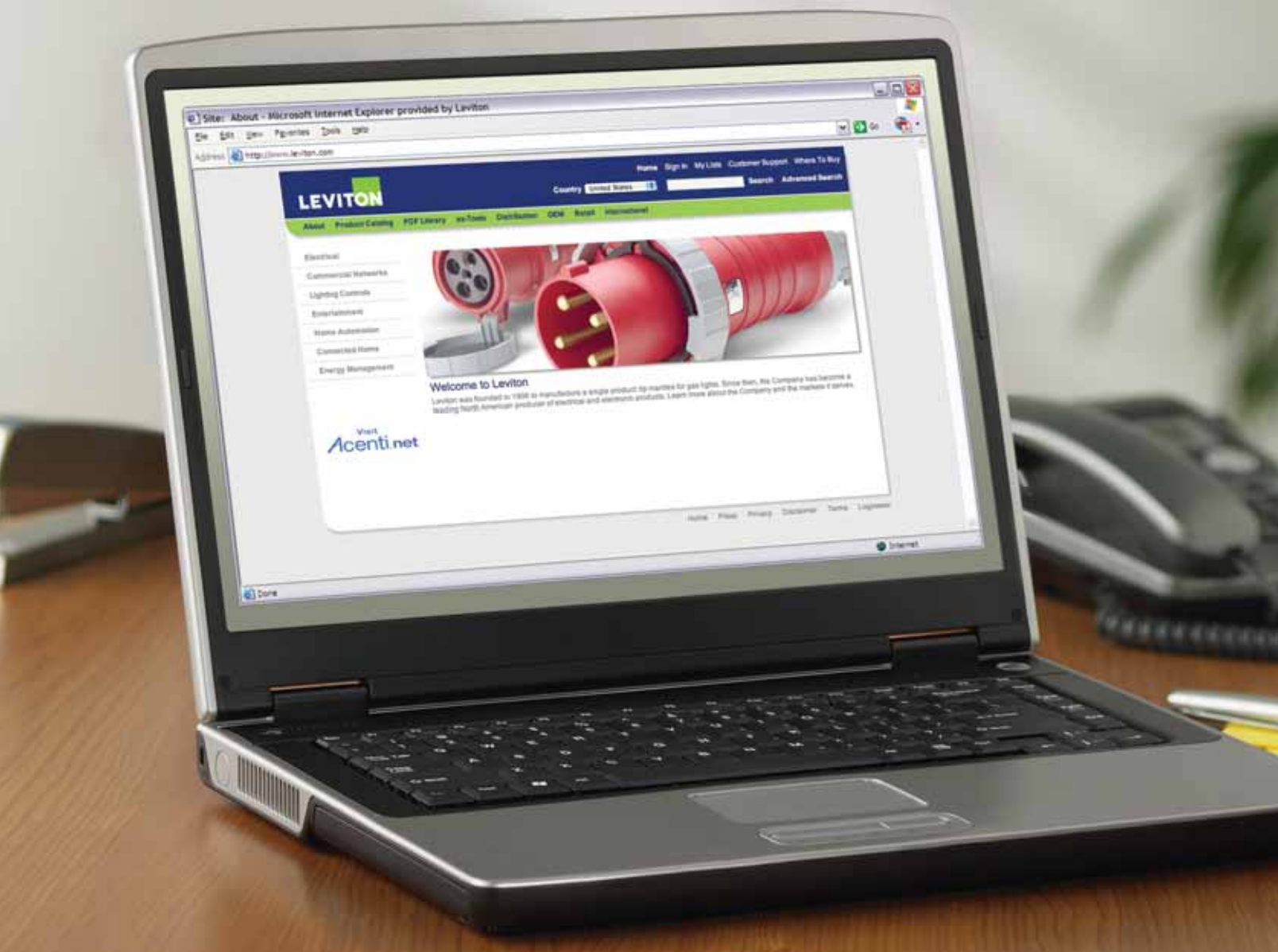
Our Complete Line of Industrial Products



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